

### MODELS

#### *IBM 16/4 Token Ring PCI Special Adapter*

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133749-B21

The IBM 16/4 Token Ring PCI Special Adapter provides a Wake on LAN (WOL) feature that enables PCs to be powered up remotely for after hours and remote site maintenance.

#### *Token Ring Adapter Family*

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##### **NC4621: Token Ring NIC PCI 4/16 WOL**

379956-B21 – Single

379956-B22 – 10 Pack

379956-B23 – 30 Pack

### OVERVIEW

The IBM 16/4 Token Ring PCI Special Adapter is built on IBM's flagship technology and is designed to decrease cost while increasing performance for customers in a Token Ring environment. The IBM 16/4 Token Ring PCI Special NIC has features for both ProLiant Server's and Deskpro PC's customers.

### PERFORMANCE

#### **Dedicated Token Ring (DTR)**

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Full bandwidth can be dedicated to a workstation by providing a direct connection between it and a Token Ring switch that supports DTR. Full-duplex support allows the IBM 16/4 Token Ring PCI Special Adapter to transmit and receive data simultaneously for rates up to 32 Mbps.

### SECURITY/RELIABILITY

#### **PCI Hot Plug Support**

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This feature enables adapters to be replaced or added to a PCI Hot Plug compatible server without having to power off the server. This can reduce maintenance time and allows for system maintenance during regular business hours. Currently this functionality is only supported on Novell NetWare.

### NETWORK MANAGEMENT

#### **Wake On LAN**

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IBM 16/4 Token Ring PCI Special NIC provides one of the popular methods of Wake on LAN support: using a 3-pin header. A system that supports Wake on LAN can remain available to a systems administrator during its normal downtime. Once the machine is awakened, the systems administrator can remotely control, audit, debug or manage the machine.

#### **Manageability**

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Along with Wake on LAN, the IBM 16/4 Token Ring PCI Special Adapter also provides standard SNMP MIB and DMI 2.0 support.

### EASE OF USE

#### **Plug and Play**

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The IBM 16/4 Token Ring PCI Special Adapter features a robust plug and play capability for conflict-free auto configuration. Compaq's SmartStart™ configuration utility includes diskette images for the IBM 16/4 Token Ring PCI Special NIC so the NIC can be configured easily in server environments.

#### **Driver Support**

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IBM 16/4 Token Ring PCI Special Adapter drivers are backward compatible with the Compaq 16/4 TR PCI IBM UTP/STP Controller and thus protect customer's current investments.

#### **Auto-negotiation**

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Auto-sensing capabilities enable the IBM 16/4 Token Ring PCI Special Adapter to automatically negotiate between 4 and 16 Mbps to achieve the highest common speed on the network. As businesses evolve from 4 to 16 Mbps Token Ring networks, there will be no need to buy new Token Ring NICs.

## COMPAQ

### EASE OF USE *(continued)*

#### MAC Address Labels

IBM 16/4 Token Ring PCI Special Adapter has a MAC address label on the outside of the bracket to make network troubleshooting easier.

#### Conformance to Industry Standards

The IBM 16/4 Token Ring PCI Special Adapter is fully compatible with Windows NT and Microsoft's PC98/PC99 networking standards. Additionally, the IBM 16/4 Token Ring PCI Special NIC is Novell NetWare certified.

### SPECIFICATIONS

Compliance	Basic Token Ring (IEEE 802.5) Dedicated Token Ring (IEEE 802.5R) PCI 2.2 and 2.1		
General Specifications	Wake on LAN (WOL) 16/4 Mbps 16K transmit & 4K receive buffer memory PCI Hot Plug for Novell NetWare 5V DTR for full-duplex support Bus mastering Boot ROM socket UTP/STP support with RJ-45 and DB9 ports		
Operating System Support	Microsoft Windows 2000 Note: Drivers on Microsoft Windows 2000 Operating System CD Microsoft Windows NT 4.0 Windows NT 3.51 Novell NetWare 5.x Server Novell NetWare 4.x Server Novell NetWare 3.x Server SCO UnixWare 7.x SCO OpenServer 5.x Microsoft Windows 98 Microsoft Windows 95 Microsoft Windows for Workgroups 3.11 NetWare DOS Client MS DOS Client OS/2 Warp 4		
Power and Environmental Specifications	Operating	Temperature Humidity	50° to 95°F/10° to 35°C 8% to 80% (non-condensing)
	Non-operating	Temperature Humidity	-22° to 140°F/-30° to 60°C 5% to 90% (non-condensing)
	Power Requirements	5V dc/1.5W maximum	
	Emissions Standard	FCC Class A	
	Safety Compliance	FCC Class B	
		Note: Shielded Power Cord is required to meet this requirement.	
Kit Contents	IBM 16/4 Token Ring PCI Special NIC WOL cable for PCI 2.1 WOL systems CD that includes Drivers, User's Guide, and Installation and Diagnostic Utility Quick Install Card Quality Statement		

### SPECIFICATIONS *(continued)*

#### Warranty

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**Maximum:** The remaining warranty of the Compaq server product in which it is installed (to a maximum of a three-year limited warranty).

**Minimum:** One-year, on-site limited warranty.

**Note:** Certain restrictions and exclusions apply. In North America, call 1-800-OK-COMPAQ; outside of North America, please contact your customer service center.

See Internet address <http://www.compaq.com> for overall information on Compaq Computer.

For further information on Compaq networking products, contact Compaq Sales at 1-800-544-5255 or the Compaq Technical Support Center (post sales) at 1-800-386-2172. For customer support and information about Compaq and its products, call 1-800-OK-COMPAQ.